

### § 3430.307

funds from the grant costs not more than \$25,000, and has multiple uses within a single project or is usable in more than 1 project.

(d) *Applied research grants.* As a condition of making a grant for applied research, the Secretary shall require the funding of the grant to be matched with equal matching funds from a non-Federal source if the grant is for applied research that is:

- (1) Commodity-specific; and
- (2) Not of national scope.

### § 3430.307 Coordination and stakeholder input requirements.

(a) *Stakeholder input.* In making grants under this Part, NIFA shall solicit and consider input from persons who conduct or use agricultural research, extension, or education in accordance with section 102(b) of the Agricultural Research, Extension, and Education Reform Act of 1998 (7 U.S.C. 7612(b)).

(b) *Allocation of funds to high-priority research.* To the maximum extent practicable, the Secretary, in coordination with the Under Secretary, shall allocate grants under this subpart to high-priority research as defined in section 1672 of Food, Agriculture, Conservation, and Trade Act of 1990, 7 U.S.C. 5925. NIFA shall take into consideration, when available, the determinations made by the Advisory Board.

### § 3430.308 Duration of awards.

The Secretary may set award limits up to 10 years based on priorities and stakeholder input, subject to other statutory limitations. The duration of individual awards may vary as specified in the RFA and is subject to the availability of appropriations.

### § 3430.309 Priority areas.

NIFA will award competitive grants in the following areas:

(a) Plant health and production and plant products. Plant systems, including:

- (1) Plant genome structure and function;
- (2) Molecular and cellular genetics and plant biotechnology;
- (3) Conventional breeding, including cultivar and breed development, selection theory, applied quantitative ge-

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netics, breeding for improved food quality, breeding for improved local adaptation to biotic stress and abiotic stress, and participatory breeding;

(4) Plant-pest interactions and bio-control systems;

(5) Crop plant response to environmental stresses;

(6) Unproved nutrient qualities of plant products; and

(7) New food and industrial uses of plant products.

(b) Animal health and production and animal products. Animal systems, including:

(1) Aquaculture;

(2) Cellular and molecular basis of animal reproduction, growth, disease, and health;

(3) Animal biotechnology;

(4) Conventional breeding, including breed development, selection theory, applied quantitative genetics, breeding for improved food quality, breeding for improved local adaptation to biotic stress and abiotic stress, and participatory breeding;

(5) Identification of genes responsible for improved production traits and resistance to disease;

(6) Improved nutritional performance of animals;

(7) Improved nutrient qualities of animal products and uses; and

(8) The development of new and improved animal husbandry and production systems that take into account production efficiency, animal well-being, and animal systems applicable to aquaculture.

(c) Food safety, nutrition, and health. Nutrition, food safety and quality, and health, including:

(1) Microbial contaminants and pesticides residue relating to human health;

(2) Links between diet and health;

(3) Bioavailability of nutrients;

(4) Postharvest physiology and practices; and

(5) Improved processing technologies.

(d) Renewable energy, natural resources, and environment. Natural resources and the environment, including:

(1) Fundamental structures and functions of ecosystems;

(2) Biological and physical bases of sustainable production systems;